

- 09856017-051601
- 192
- (B) an effective amount to improve acceptance of the composition of a stable emulsion or dispersion of perfume, containing at least about 50%, by weight of the perfume of perfume ingredients that have a ClogP of more than about 3 and a molecular weight of more than about 210, said emulsion or dispersion having a droplet size that will not readily interact with said cyclodextrin;
 - (C) optionally, an effective amount to improve the performance of the composition, of cyclodextrin compatible surfactant;
 - (D) optionally, an effective amount, to kill, or reduce the growth of microbes, of cyclodextrin compatible and water soluble antimicrobial active;
 - (E) optionally, from about 0.01% to about 3% by weight of the composition of low molecular weight polyol;
 - (F) optionally, from about 0.001% to about 0.3% by weight of the composition of aminocarboxylate chelator;
 - (G) optionally, but preferably, an effective amount of metallic salt for improved odor benefit;
 - (H) optionally, an effective amount of solubilized, water-soluble, antimicrobial preservative;
 - (I) optionally, from about 0.001% to about 3% water soluble anionic polymers; and
 - (J) aqueous carrier that contains up to 5% alcohol,
- wherein the combination of (A) and (B) is compatible.

17. (New) The composition of Claim 16 wherein said cyclodextrin is present at a level of from about 0.01% to about 20% by weight of the composition and wherein said perfume is present at a level of from about 0.003% to about 0.5% by weight of the composition and contains at least about 60%, by weight of the perfume, of perfume ingredients that have a ClogP of more than about 3 and a molecular weight of more than about 210.

18. (New) The composition of Claim 17 wherein said cyclodextrin is present at a level of from about 0.01% to about 5% by weight of the composition and wherein said perfume is present at a level of from about 0.01% to about 0.3% by weight of the composition and contains at least about 70%, by weight of the perfume, of perfume ingredients that have a ClogP of more than about 3.5 and a molecular weight of more than about 220.

19. (New) The composition of Claim 18 wherein said cyclodextrin is present at a level of from about 0.1% to about 3%, by weight of the composition and wherein said perfume is present at a level of from about 0.05% to about 0.2%, by weight of the composition and

contains at least about 80%, by weight of the perfume, of perfume ingredients that have a ClogP of more than about 3.5 and a molecular weight of more than about 220.

20. (New) The composition of Claim 16 wherein said cyclodextrin is selected from the group consisting of beta-cyclodextrin, alpha-cyclodextrin, gamma-cyclodextrin, derivatives of said cyclodextrins, and mixtures thereof.

21. (New) The composition of Claim 20 wherein said cyclodextrin derivatives are selected from the group consisting of methyl substituted cyclodextrins, ethyl substituted cyclodextrins, hydroxyalkyl substituted cyclodextrins, branched cyclodextrins, cationic cyclodextrins, quaternary ammonium cyclodextrins, anionic cyclodextrins, amphoteric cyclodextrins, cyclodextrins wherein at least one glucopyranose unit has a 3-6-anhydro-cyclomalto structure, and mixtures thereof.

22. (New) The composition of Claim 21 wherein said cyclodextrin is methylated beta-cyclodextrin.

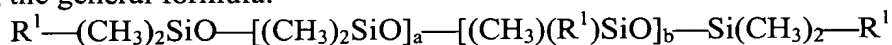
23. (New) The composition of Claim 21 wherein said cyclodextrin is a mixture of methylated alpha-cyclodextrin and methylated beta-cyclodextrin.

24. (New) The composition of Claim 21 wherein said cyclodextrin is hydroxypropyl beta-cyclodextrin.

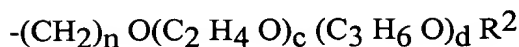
25. (New) The composition of Claim 21 wherein said cyclodextrin is a mixture of hydroxypropyl alpha-cyclodextrin and hydroxypropyl beta-cyclodextrin.

26. (New) The composition of Claim 16 wherein said hydrophobic perfume is formed into an emulsion having particles of at least 0.01 micron in diameter before said cyclodextrin is present using a material selected from the group consisting of: cyclodextrin compatible siloxane surfactants; polymers containing both hydrophobic and hydrophilic portions; and/or cationic fabric softening actives that form stable vesicles in the desired particle size range.

27. (New) The composition of Claim 26 wherein said material comprises siloxane surfactant having the general formula:



wherein a + b are from about 1 to about 50, and each R¹ is the same or different and is selected from the group consisting of methyl and a poly(ethyleneoxide/propyleneoxide) copolymer group having the general formula:



with at least one R^1 being a poly(ethyleneoxide/propyleneoxide) copolymer group, and wherein n is 3 or 4; total c (for all polyalkyleneoxy side groups) has a value of from 1 to about 100; total d is from 0 to about 14; total $c + d$ has a value of from about 5 to about 150; and each R^2 is the same or different and is selected from the group consisting of hydrogen, an alkyl having 1 to 4 carbon atoms, and an acetyl group.

28. (New) The composition of Claim 27 wherein in said siloxane surfactant, $a + b$ is from about 3 to about 30; n is 3; c is from about 6 to about 100; total d is from 0 to about 3; total $c + d$ is from about 9 to about 100; and each R^2 is hydrogen and/or methyl group.

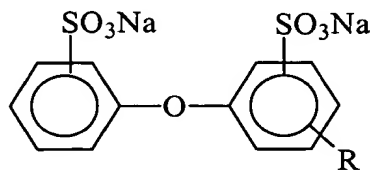
29. (New) The composition of Claim 26 wherein said material comprises block copolymer containing hydrophobic portions which monomers that are hydrophobic and hydrophilic portions which comprise monomers that are hydrophilic, said block copolymer having a molecular weight of from about 1,000 to about 1,000,000, and the ratio of hydrophilic portion to hydrophobic portion being from 20/80 to about 90/10.

30. (New) The composition of Claim 29 wherein said block copolymer contains hydrophilic portions which comprise monomers that are hydrophilic and at least partially charged, said block copolymer having a molecular weight of from about 5,000 to about 250,000, and the ratio of hydrophilic portion to hydrophobic portion being from 30/70 to about 75/25.

31. (New) The composition of Claim 30 wherein said block copolymer has a molecular weight of from about 10,000 to about 100,000, and the hydrophobic monomers are selected from the group consisting of: poly butyl acrylate; poly acrylamide; poly butylaminoethyl methacrylate; and/or poly octylacrylamide.

32. (New) The composition of Claim 26 wherein said material comprises cationic softener active.

33. (New) The composition of Claim 16 wherein said cyclodextrin compatible surfactant is selected from the group consisting of: block copolymers of ethylene oxide and propylene oxide; polyalkyleneoxide polysiloxanes; alkyldiphenyl oxide disulfonate anionic surfactant having the general formula:

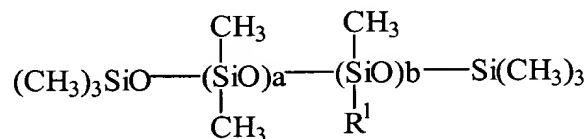


wherein R is an alkyl group; and mixtures thereof.

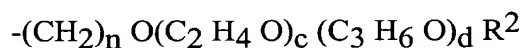
34. (New) The composition of Claim 33 wherein said surfactant is a block copolymer of ethylene oxide and propylene oxide.

35. (New) The composition of Claim 34 wherein said block copolymer has the general formula $H(EO)_n(PO)_m(EO)_nH$, wherein EO is an ethylene oxide group, PO is a propylene oxide group, and n and m are numbers that indicate the average number of the groups in the surfactants, n ranges from about 2 to about 100 and m ranges from about 10 to about 100.

36. (New) The composition of Claim 33 wherein said surfactant is polyalkyleneoxide polysiloxane having the general formula:



wherein a + b are from about 1 to about 50, and R^1 is mainly one or more random poly(ethyleneoxide/propyleneoxide) copolymer groups having the general formula:



wherein n is 3 or 4; total c (for all polyalkyleneoxy side groups) has a value of from 1 to about 100; total d is from 0 to about 14; total c+d has a value of from about 5 to about 150; and each R^2 is the same or different and is selected from the group consisting of hydrogen, an alkyl having 1 to 4 carbon atoms, and an acetyl group.

37. (New) The composition of Claim 16 containing from about 0.001% to about 3% by weight of the composition of water soluble anionic polymer for improved odor control.

38. (New) The composition of Claim 37 wherein said water soluble anionic polymer is polyacrylate at a level of from about 0.005% to about 2% by weight of the composition.

39. (New) An article of manufacture comprising the composition of Claim 16 in a spray dispenser.

40. (New) The article of manufacture of Claim 39 wherein said spray dispenser comprises a trigger spray device and is capable of providing droplets with a weight average diameter of from about 10 to about 120 μm .

41. (New) A method of controlling odor on an inanimate surface comprising spraying an effective amount of the composition of Claim 16 onto said surface using a trigger-spray device.

42. (New) The method of Claim 41 wherein the droplets of the spray that is formed by the trigger spray device have a weight average diameter of from about 10 to about 120 μm .

43. (New) A method of controlling odor on an inanimate surface comprising spraying an effective amount of the composition of Claim 16 onto said surface using a non manually operated spray device.

44. (New) The method of Claim 43 wherein the droplets of the spray that is formed by said non manually operated spray device have a weight average diameter of from about 10 to about 120 μm .

45. (New) A process for preparing the composition of Claim 16 comprising the steps of premixing the perfume (B) with organic solvents to form a premix and adding said premix to a mixture of cyclodextrin and water to form a stable emulsion or dispersion.